

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 09/245,603B  
Source: 1FW16  
Date Processed by STIC: 2/25/05

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 02/25/2005

PATENT APPLICATION: US/09/245,603B

TIME: 08:11:45

Input Set : A:\67853212.app

Output Set: N:\CRF4\02252005\I245603B.raw

```

3 <110> APPLICANT: CURIEL, DAVID T.
4     KRASNYKH, VICTOR N.
5     DMITRIEV, IGOR
7 <120> TITLE OF INVENTION: ADENOVIRUS VECTOR CONTAINING A HETEROLOGOUS PEPTIDE
8     EPITOPE IN THE HI LOOP OF THE FIBER KNOB
10 <130> FILE REFERENCE: 678503-2012.2
12 <140> CURRENT APPLICATION NUMBER: 09/245,603B
13 <141> CURRENT FILING DATE: 1999-02-05
15 <150> PRIOR APPLICATION NUMBER: 60/073,947
16 <151> PRIOR FILING DATE: 1998-02-06
18 <150> PRIOR APPLICATION NUMBER: 60/099,801
19 <151> PRIOR FILING DATE: 1998-09-10
21 <160> NUMBER OF SEQ ID NOS: 23
23 <170> SOFTWARE: PatentIn Ver. 3.3
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 38
27 <212> TYPE: DNA
28 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
31 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
32     primer
34 <400> SEQUENCE: 1
35 taaggatccg gtgccattac agtaggaaac aaaaataa          38
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 43
40 <212> TYPE: DNA
41 <213> ORGANISM: Artificial Sequence
43 <220> FEATURE:
44 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
45     primer
47 <400> SEQUENCE: 2
48 catagagtat gcagatatcg ttagtggttac aggtttagtt ttg          43
51 <210> SEQ ID NO: 3
52 <211> LENGTH: 42
53 <212> TYPE: DNA
54 <213> ORGANISM: Artificial Sequence
56 <220> FEATURE:
57 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
58     primer
60 <400> SEQUENCE: 3
61 gtaacactaa cgatatctgc atactctatg tcattttcat gg          42
64 <210> SEQ ID NO: 4
65 <211> LENGTH: 41

```

## RAW SEQUENCE LISTING

DATE: 02/25/2005

PATENT APPLICATION: US/09/245,603B

TIME: 08:11:45

Input Set : A:\67853212.app

Output Set: N:\CRF4\02252005\I245603B.raw

```

66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
71     primer
73 <400> SEQUENCE: 4
74 cccaagctta caattgaaaa ataaacacgt tgaaacataa c          41
77 <210> SEQ ID NO: 5
78 <211> LENGTH: 63
79 <212> TYPE: DNA
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
84     oligonucleotide
86 <400> SEQUENCE: 5
87 tacactaaac ggtaccagg aaacaggaga cacaactgac tacaaggacg acgatgacaa 60
88 gcc                                                    63
91 <210> SEQ ID NO: 6
92 <211> LENGTH: 63
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
98     oligonucleotide
100 <400> SEQUENCE: 6
101 ggcttgtcat cgctgcctt gtagtcagtt gtgtctcctg tttcctgggt accgtttagt 60
102 gta                                                    63
105 <210> SEQ ID NO: 7
106 <211> LENGTH: 29
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
112     oligonucleotide
114 <400> SEQUENCE: 7
115 gatccatgca tcaccatcac catcacaag          29
118 <210> SEQ ID NO: 8
119 <211> LENGTH: 29
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
125     oligonucleotide
127 <400> SEQUENCE: 8
128 cgcgcttgtg atggtgatgg tgatgcatg          29
131 <210> SEQ ID NO: 9
132 <211> LENGTH: 16
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence

```

## RAW SEQUENCE LISTING

DATE: 02/25/2005

PATENT APPLICATION: US/09/245,603B

TIME: 08:11:45

Input Set : A:\67853212.app

Output Set: N:\CRF4\02252005\I245603B.raw

```

136 <220> FEATURE:
137 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
138     oligonucleotide
140 <400> SEQUENCE: 9
141 taccatttta aatggg                                     16
144 <210> SEQ ID NO: 10
145 <211> LENGTH: 66
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
151     oligonucleotide
153 <400> SEQUENCE: 10
154 cacactaaac ggtacacagg aaacaggaga cacaacttgt gactgccgcg gagactgttt 60
155 ctgccc                                                66
158 <210> SEQ ID NO: 11
159 <211> LENGTH: 66
160 <212> TYPE: DNA
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
165     oligonucleotide
167 <400> SEQUENCE: 11
168 gggcagaaac agtctccgcg gcagtcacaa gttgtgtctc ctgtttcctg tgtaccgttt 60
169 agtgtg                                                66
172 <210> SEQ ID NO: 12
173 <211> LENGTH: 41
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
179     oligonucleotide
181 <400> SEQUENCE: 12
182 caaatacaaa ggatatcagg tggccccgcg tgaattggag t                                     41
185 <210> SEQ ID NO: 13
186 <211> LENGTH: 45
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
192     oligonucleotide
194 <400> SEQUENCE: 13
195 cgactccaat tcagcggggg ccacctgata tcctttgtat ttgat                                     45
198 <210> SEQ ID NO: 14
199 <211> LENGTH: 13
200 <212> TYPE: PRT
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

```

## RAW SEQUENCE LISTING

DATE: 02/25/2005

PATENT APPLICATION: US/09/245,603B

TIME: 08:11:45

Input Set : A:\67853212.app

Output Set: N:\CRF4\02252005\I245603B.raw

```

205      peptide
207 <400> SEQUENCE: 14
208 Thr Leu Asn Gly Thr Gln Glu Thr Gly Asp Thr Thr Pro
209   1           5           10
213 <210> SEQ ID NO: 15
214 <211> LENGTH: 8
215 <212> TYPE: PRT
216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
220      peptide
222 <400> SEQUENCE: 15
223 Asp Tyr Lys Asp Asp Asp Asp Lys
224   1           5
227 <210> SEQ ID NO: 16
228 <211> LENGTH: 9
229 <212> TYPE: PRT
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
234      peptide
236 <400> SEQUENCE: 16
237 Cys Asp Cys Arg Gly Asp Cys Phe Cys
238   1           5
241 <210> SEQ ID NO: 17
242 <211> LENGTH: 13
243 <212> TYPE: PRT
244 <213> ORGANISM: Artificial Sequence
246 <220> FEATURE:
247 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
248      peptide
250 <400> SEQUENCE: 17
251 Thr Leu Asn Gly Thr Gln Glu Thr Gly Asp Thr Thr Pro
252   1           5           10
255 <210> SEQ ID NO: 18
256 <211> LENGTH: 6
257 <212> TYPE: PRT
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
262      peptide
264 <400> SEQUENCE: 18
265 His His His His His His
266   1           5
269 <210> SEQ ID NO: 19
270 <211> LENGTH: 8
271 <212> TYPE: PRT
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:

```

## RAW SEQUENCE LISTING

DATE: 02/25/2005

PATENT APPLICATION: US/09/245,603B

TIME: 08:11:45

Input Set : A:\67853212.app

Output Set: N:\CRF4\02252005\I245603B.raw

```

275 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
276     peptide
278 <400> SEQUENCE: 19
279 Met His His His His His His Lys
280   1             5
283 <210> SEQ ID NO: 20
284 <211> LENGTH: 12
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
290     oligonucleotide
292 <400> SEQUENCE: 20
293 cggcgaattc gc                                     12
296 <210> SEQ ID NO: 21
297 <211> LENGTH: 39
298 <212> TYPE: PRT
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
303     peptide
305 <400> SEQUENCE: 21
306 Thr Lys Pro Val Thr Leu Thr Thr Thr Leu Asn Gly Thr Gln Glu Thr
307   1             5             10             15
309 Gly Asp Thr Thr Pro Ser Ala Tyr Ser Met Ser Phe Ser Trp Asp Trp
310             20             25             30
312 Ser Gly His Asn Tyr Ile Asn
313             35
316 <210> SEQ ID NO: 22
317 <211> LENGTH: 26
318 <212> TYPE: PRT
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
323     peptide
325 <400> SEQUENCE: 22
326 Thr Lys Pro Val Thr Leu Thr Ile Ser Ala Tyr Ser Met Ser Phe Ser
327   1             5             10             15
329 Trp Asp Trp Ser Gly His Asn Tyr Ile Asn
330             20             25
333 <210> SEQ ID NO: 23
334 <211> LENGTH: 47
335 <212> TYPE: PRT
336 <213> ORGANISM: Artificial Sequence
338 <220> FEATURE:
339 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
340     peptide
342 <400> SEQUENCE: 23
343 Thr Lys Pro Val Thr Leu Thr Thr Thr Leu Asn Gly Thr Gln Glu Thr

```

**VERIFICATION SUMMARY**

DATE: 02/25/2005

PATENT APPLICATION: US/09/245,603B

TIME: 08:11:46

Input Set : A:\67853212.app

Output Set: N:\CRF4\02252005\I245603B.raw